

Amendments to the claims:

1. (currently amended) A regulator unit for varying an exciter current,
comprising:

~~having a housing (13)[[,]] in which the housing (13) has~~ having a wiper contact mounting region (16) with a guide (19) and wiper contacts (22) seated therein[[,]];

~~having a regulator housing portion (25), in which an electronic controller unit and a regulator heat sink (28) are received~~[[,]]'

~~having a plug element (31) for electrically connecting the regulator unit (10) to external contact elements, and in which the regulator unit (10)~~ having has a first through opening (34) and a second through opening (37), ~~by means of which openings~~ wherein the regulator unit (10) is fastenable via said openings ~~can be fastened to a housing (40) with~~ by means of two bolt elements (34),

~~characterized in that~~ wherein the regulator heat sink (28) is located between the wiper contact mounting region (16) and the plug element (31), wherein the wiper contact mounting region (16) is located asymmetrically between the first through opening (34) and the second through opening (37), and

wherein the guide (19) of the wiper contact mounting region (16) has a center line (43) oriented in a direction of motion of the wiper contacts (22), and the first through opening (34) has an angular spacing a from the center line (43),

and the second through opening (37) has an angular spacing b from the center line (43), and the ratio between b and a is between 5.2 and 6.0.

2. (canceled)

3. (previously presented) The regulator unit in accordance with claim 1, wherein the guide (19) of the wiper contact mounting region (16) has a center line (43), whose shortest spacing from the first through opening (34) is at maximum 20 mm.

4. (canceled)

5. (previously presented) The regulator unit in accordance with claim 1, wherein between the second through opening (37) and the wiper contact mounting region (16), there is a further fastening point (84), whose spacing from the second through opening (37) is between 11 mm and 36 mm.

6. (previously presented) The regulator unit in accordance with claim 5, wherein the second through opening (37) and the further fastening point (84) each have one bearing face (49) for a mounting element (52), and the bearing faces (49) are located at different levels in the axial direction of the through opening, preferably being spaced apart in this direction by up to 5 mm.

7. (previously presented) The regulator unit in accordance with claim 1, wherein the wiper contact mounting region (16) and the plug element (31) are located between the first through opening (34) and the second through opening (37).

8. (previously presented) The regulator unit in accordance with claim 1, wherein the wiper contact mounting region (16) with its guide (19), the regulator housing portion (25), and the plug element (31) are integrally with one another a single housing part.

9. (previously presented) A generator for motor vehicles, having a housing (40) and a regulator unit (10) in accordance with claim 1, wherein the regulator unit is fastened by means of two bolt elements to a rectifier heat sink and to a connection plate.

10. (previously presented) The generator in accordance with claim 9, wherein the generator has an axis of rotation (55), from which the first through opening (34) has a spacing R1 and the second through opening (37) has a spacing R2, and R1 is greater by between 5% and 10%.

11. (previously presented) The generator in accordance with claim 10, wherein one fastening point (58) serves the purpose of contacting and fastening

to a connection plate (75) and is located between the first through opening (34) and the axis of rotation (55).

12. (previously presented) The generator in accordance with claim 11, wherein the fastening point (58) is located in a corridor between the first through opening (34) and the axis of rotation (55), and the corridor amounts to between +3 mm and -3 mm with respect to a connecting line between the first through opening (34) and the axis of rotation (55).

13. (previously presented) The generator in accordance with claim 9, wherein the regulator housing portion (25) has a spacing from the end plate (40) in the direction of the axis of rotation of between 0.5 and 5 mm, and preferably between 1.8 and 3.2.

14. (previously presented) The generator in accordance with claim 9, wherein the regulator unit (10) is fastened to the housing (40) by means of the two bolt elements in such a way that it is prestressed by means of bearing points.

15. (new) The generator in accordance with claim 1, wherein the ratio between b and a is between 5.4 and 5.6.